

# PP

Impact copolymer for injection molding

## ▶ BJ500

### ● Description

**BJ500** is for injection molding application. Hanwha Total impact copolymer shows an easy processability and an excellent stiffness combined with good impact strength & appearance.

### ● Characteristics

- ▶ Excellent balance between stiffness and impact strength
- ▶ Good appearance (gas mark and void free, high gloss)
- ▶ Good processability and productivity

### ● Applications

- ▶ E&E parts, battery case, containers, toys

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	BJ500
Melt flow index	D1238	g/10min	10
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	300
Elongation at break	D638	%	>300
Flexural modulus	D790	kg/cm <sup>2</sup>	13,500
Izod impact strength 23 °C	D256	kgcm/ cm	10
0 °C			6
-20 °C			5
Rockwell hardness	D785	R-scale	85
Heat distortion temp.	D648	°C	110

## ● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total BJ500 to the food packaging. Thus, the verification on the suitability is necessary
- ▶ In case you might need additional technical or regulatory information, please contact Hanwha Total Polymer Technical Service Team.